

**Surface
Preparation &
Finish detail for
Hygienic &
Wall Protection
internal cladding
systems**

HygienaClad

**Antimicrobial hygienic cladding
for all environments.**

The substrate that the Hygienic / Wall Protection cladding is to be bonded to must conform to the following specification below to be installed correctly and provide the best finish.

1. General

The Hygienic / Wall Protection cladding is attached to the building substrate (walls) by a two part polyurathane glue. If the Hygienic / Wall Protection cladding is not fixed directly to the building substrate i.e. over plaster / tiles / plasterboard etc and this is not securely bonded to the building substrate then HygienaClad will recommend that its removed and the area made good.

The building substrate / finish that the Hygienic / Wall Protection cladding is to be bonded must be dry for the Hygienic / Wall Protection cladding to adhere. HygienaClad will test the substrate for its moisture content using a Protimeter and if the moisture content is over 16% WME then we will recommend that the Hygienic / Wall Protection cladding is not fitted until the moisture content reduces below this figure.

2. Wall Flatness & Finishes

The Hygienic / Wall Protection cladding is 2.5mm thick and is flexible and will follow the contours of the building substrate. To achieve a flat finish the substrate must be flat. If the substrate has significant deviations (>3mm over 2m) these will need to be reduced either by plastering or the substrate overlaid with plasterboard / plywood.

New plaster finishes are generally dusty and the surface will need to be brushed and thoroughly sealed with diluted PVA primer before installation of Hygienic / Wall Protection cladding.

New cement render should be with a 1:3 mix and finished flat with a trowel finish.

New fair faced brickwork or blockwork must have well aligned joints with all joints finished flush (or below the surface) and all snots removed. The deviation of the face to be clad must be within 3mm over 2m specification in any direction.

Existing tiles need to be all secure and any loose tiles removed and filled in and flush with existing tiles. The tiles should be degreased and any new Plaster / Cement render used should be brushed and thoroughly sealed with diluted PVA primer before installation of Hygienic / Wall Protection cladding.

New Plasterboard must be tape and jointed if tape and jointed plasterboard is used. The finish of the tape and joint must be flush with the plasterboard on both sides.

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When the jointing method is to be welded or Flexi-joint, the following specification must be heeded;

The substrate must be of a very high standard.

The deviation of the substrate face to be clad must be within 2mm over 3m specification in any direction.

Recommended substrates include Plasterboard, Plywood, MDF, finishing plaster and most types of sand & cement render for welding and Plasterboard, Plywood, MDF and finishing plaster for Flexi-joint system due to spacer attachment.

New Plaster / Cement render and all porous surfaces should be brushed and thoroughly sealed with diluted (1:10) PVA primer before installation of Hygienic / Wall Protection cladding.

Welded joints should not be closer than 300mm to a corner to minimise mis-alignment.

Welding can be undertaken on all solid colours, but is not possible on Altro Illusions and Stone ranges.

The building must be a minimum of 14°C before the cladding is fitted to ensure that the cladding will bond successfully to the building substrate.

Where the building does not have existing heating or existing heating is disabled then additional heating is required to be running at least a day before the cladding is installed.

Where additional heating is deployed this must produce a dry heat, this is generally only achieved by electric heating e.g. red rads. Propane and other forms of gas heating are not acceptable as they increase the moisture content in the atmosphere reducing the bonding effect of the adhesive. Please note: moisture should not be above 16% WME.

3. Wall / Floor detail

The wall / floor junction will depend upon the floor covering, the scenarios below provide an example of common junction interfaces, this is no means exhaustive and solutions will need to be decided and agreed prior to commencement of works.

Vinyl Floor; The Hygienic / Wall Protection cladding is generally stopped between 100 - 150mm above the floor level and a transition strip (Single / two part) to join the wall cladding to the vinyl as it comes up the wall (cap and cove). All existing skirtings must be removed.

Vinyl Floor; The Hygienic / Wall Protection cladding is generally stopped between 20 -50mm above the floor level and stick on skirting fitted on-top to finish to the flat-lay Vinyl.

Tiled Floor; Hygienic / Wall Protection cladding is stopped on top of the tiled skirting. Generally due to the differences in tiled skirting height the Hygienic / Wall Protection cladding is finished with a silicon bead at the junction.

4. Wall / Ceiling detail

The wall / ceiling junction will depend upon the ceiling covering, the scenarios below provide an example of common junction interfaces, this is no means exhaustive and solutions will need to be decided and agreed prior to commencement of works.

Concrete soffit / Plaster Ceiling; The Hygienic / Wall Protection cladding is generally finished tight to the ceiling and finished with a silicon bead at the junction.

Suspended Ceiling (tiles); The Hygienic / Wall Protection cladding should be fitted first then the suspended ceiling fitted once the Hygienic / Wall Protection cladding is completed.

Hygienic Ceiling; The Hygienic / Wall Protection cladding should be fitted first then the Hygienic Ceiling fitted once the Hygienic / Wall Protection cladding is completed.

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